

Granitic rocks from Pos Selim-Kampung Raja new road: petrochemistry of the Selim granite (a preliminary study)

MOHD AZAMIE W.A. GHANI AND AZMAN A. GHANI

Department of Geology, University of Malaya
50603 Kuala Lumpur

The Selim granite consists of coarse grained porphyritic biotite granite to medium to fine grained granite. The coarse grained porphyritic biotite granite has higher Fe_2O_3 and Na_2O and has lower FeO compared to the medium to fine grained granite. Both granites overlap in many of the major element contents especially SiO_2 . However Ba and Rb increases from the coarse grained porphyritic granite to equigranular medium to fine grained granite. Both granites are controlled by the same mineral assemblage during magma evolution that is K-feldspar, plagioclase and biotite. REE profile show that both granites may represent the evolved part of the Western Belt granite.

Granit Selim boleh dibahagikan kepada dua jenis granit yang berbeza iaitu granit biotit porfiritik berbutir kasar dan granit berbutir halus ke sederhana. Kajian geokimia menunjukkan kedua-dua batuan granit mempunyai kandungan SiO_2 yang bertindih. Granit biotit porfiritik berbutir kasar mempunyai Fe_2O_3 dan Na_2O yang lebih tinggi dan kandungan FeO yang lebih rendah berbanding dengan granit berbutir halus ke sederhana.